

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 3, line 14 with following paragraph.

~~“The~~ In one aspect, the present invention ~~to address the above issues according to the appended claim 1~~ provides a fuel cell system, which has a fuel cell that generates electrical power by the electrochemical reaction between the fuel gas supplied to the anode and the oxidant gas supplied to the cathode, and a humidifying apparatus that humidifies the gases with water permeable membranes. The fuel cell system includes a first humidifier, which is provided in the humidifying apparatus, and non-porous water permeable membranes, which are provided in the first humidifier and humidify the fuel gas supplied to the anode by means of the moisture contained off-gas discharged from the fuel cell.”

Please replace the paragraph beginning at page 4, line 6 with following paragraph.

~~“The~~ In another aspect, the present invention ~~according to the appended claim 2~~ provides the fuel cell system ~~according to claim 1~~, in which the humidifying apparatus has a second humidifier, and the second humidifier has porous water permeable membranes, which humidify the oxidant gas supplied to the cathode by means of the off-gas.”

Please replace the paragraph beginning at page 4, line 23 with following paragraph.

~~“The~~ In another aspect, the invention ~~according to claim 4~~ provides the fuel cell system ~~according to claim 2~~, in which the fuel cell system and the first and second humidifiers are disposed in series for the flow of the off-gas.”

Please replace the paragraph beginning at page 5, line 5 with following paragraph.

~~“The~~ In another aspect, the invention ~~according to claim 6~~ provides a method of humidifying the fuel and oxidant gases supplied to a fuel cell in a humidifying apparatus, including the introduction of the moisture contained off-gas discharged from the fuel cell into the humidifying apparatus, the moisture reception of the fuel gas from the off-gas through non-porous water permeable membranes in the humidifying apparatus, the moisture reception of the oxidant gas from the off-gas through water permeable membranes in the humidifying apparatus, and the supply of the respective humidified fuel and oxidant gases to the fuel cell.”

Please replace the paragraph beginning at page 5, line 20 with following paragraph.

~~“The~~ In another aspect, the invention according to claim 7 provides the humidifying apparatus ~~according to claims 1 through 4 and claim 6,~~ in which the non-porous water permeable membranes transport water by ion hydration. Also, in another aspect, the invention ~~according to claim 8~~ provides the humidifying apparatus ~~according to claim 5,~~ in which the non-porous water permeable membranes transport water by ion hydration.

Please replace the paragraph beginning at page 6, line 4 with following paragraph.

~~“The~~ In another aspect, the invention according to claim 9 provides the fuel cell system ~~according to claims 2 through 4,~~ in which the porous water permeable membranes are permeable to moisture by capillary condensation.